

Immunity, Inflammation & Cancer

PROGRAM COMMITTEE

Giorgio Trinchieri, Chair

Jay Berzofsky

Crystal Mackall

Yasmine Belkaid

Thursday, September 23, 2010

Introductions

- 8:30 – 8:45 Giorgio Trinchieri, Director, Cancer and Inflammation Program,
Center for Cancer Research, NCI
- Robert Wiltout, Director, Center for Cancer Research, NCI

Session 1: Cancer Immunity and Immunosurveillance Chair: Jay Berzofsky

- 8:45 – 9:15 Robert Schreiber, Washington University School of Medicine, St Louis, MO
A mechanistic basis of cancer immunoediting
- 9:15 – 9:40 Jay Berzofsky, NCI
Innate immune regulation of cancer immunity and immunosurveillance
- 9:40 – 10:10 Laurence Zitvogel, INSERM, Villejuif, France
The desirable cell death for the success of chemotherapy: a hidden vaccine
- 10:10 – 10:30 **COFFEE BREAK**
- 10:30 – 10:55 Robert Wiltout, NCI
Restructuring tumor/tissue microenvironments by IL-12-dependent interventions
- 10:55 – 11:25 Thomas Gajewski, University of Chicago, Chicago, IL
Innate immune recognition leading to adaptive immunity to tumors
- 11:25 – 11:45 Samir Khleif, NCI
Novel mechanisms for the regulation of T regulatory cells and their translational implications

Session 2: Cancer and Inflammation Chair: Giorgio Trinchieri

- 1:15 – 1:45 Lisa Coussens, University of California, San Francisco
Reprogramming the immune microenvironment in solid tumors as a therapeutic strategy

- 1:45 – 2:10 Giorgio Trinchieri, NCI
Innate resistance, inflammation, and cancer
- 2:10 – 2:40 Mike Karin, University of California, San Diego
Lymphocytes in tumor development and metastasis: Dr. Jekyll and Mr. Hyde
- 2:40 – 3:00 Yinling Hu, NCI
Role of IKK α in skin cancer
- 3:00 – 3:20 **COFFEE BREAK**
- 3:20 – 3:45 Dennis Klinman, NCI
Use of immunomodulatory oligonucleotides for the prevention and treatment of cancer
- 3:45 – 4:15 Matthias Ernst, Ludwig Institute, Melbourne, Australia
More than a gut feeling: IL11 links inflammation to gastrointestinal cancer
- 4:15 – 4:40 David Wink, NCI
Nitric oxide in cancer
- 4:40 – 5:00 Frank Ruscetti, NCI
Human retroviruses, immunity, and cancer

Friday, September 24, 2010

Session 3: The Microbiome Role in Immunity, Tissue Homeostasis, and Cancer Chair: Yasmine Belkaid

- 8:30 – 9:00 Yasmine Belkaid, NIAID
Microbial control of tissue homeostasis
- 9:00 – 9:30 Laurie Glimcher, Harvard University School of Public Health, Boston, MA
T-bet in inflammation-associated colorectal cancer
- 9:30 – 10:00 Dan Littman, New York University School of Medicine, New York, NY
Role of commensal bacterium in host defense and systemic inflammation
- 10:00 – 10:30 Eric Pamer, Memorial Sloan-Kettering Cancer Center, New York, NY
Antibiotic and inflammation-induced shifts in the intestinal microbiota
- 10:30 – 10:50 **COFFEE BREAK**
- 10:50 – 11:20 Martin Blaser, New York University Langone Medical Center, New York, NY
A tale of two stomachs
- 11:20 – 11:45 James Goedert, NCI
Indirect effects of the fecal microbiota on cancer risk in human populations
- 11:45 – 12:10 Robert Yarchoan, NCI
Roles of cytokines in the pathogenesis and treatment of KSHV-associated tumors
- 12:10 – 12:30 Jason Brechley, NIAID
Microbial translocation, immune activation, and immunodeficiency lentiviral disease progression

Session 4: The Tumor Microenvironment Chair: Crystal Mackall

- 2:00 – 2:30 Dmitry Gaborovich, Moffitt Cancer Center, Tampa, FL
Myeloid-derived suppressor cells in regulation of immune responses in cancer

- 2:30 – 2:50 Li Yang, NCI
TGF β signaling, inflammation, and tumor microenvironment
- 2:50 – 3:20 Mario Colombo, Italian National Cancer Institute, Milano, Italy
Mast cell accomplices in prostate cancer development
- 3:20 – 3:40 **COFFEE BREAK**
- 3:40 – 4:10 George Prendergast, Kimmel Cancer Center, Thomas Jefferson University, Philadelphia, PA
IDO in inflammation and immune escape: genetically synonymous pathways in cancer?
- 4:10 – 4:30 Terry Fry, NCI
Dipeptidyl peptidases as novel targets for immune adjuvants
- 4:30 – 4:50 Andy Hurwitz, NCI
T-cell tolerance to tumor antigens: lessons learned from a TRAMP